NOVAPPLE Newsletter

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VOLUME VIII - NUMBER 3 NORTHERN VIRGINIA APPLE USERS GROUP APRIL 1988

* * THANK YOU SIR-TECH * * *

embers of Northern Virginia Apple Users Group would e to thank Sir-Tech Software, Inc. and their resentative, Ms. Brenda Garno for her presentation at the ch 30th, Wednesday night meeting.

Garno demonstrated Sir-Tech's Wizardry I, The Proving unds of the Mad Overlord and Deep Space-Operation ernicus; both are entertainment software (or games). ng with the above, the rest of the Wizardry series; ght of Diamonds (II), Legacy of Llylgamyn (III), the new urn of Werdna (IV), and Sir-Tech's new business software kage - The Clan Practical Accountant, were raffled off h a bundle of fun "free-bee" stuff like Wizardry logo ck-on's to Baltic's adventuring credit cards.

evening closed with Ms. Garno telling some of the ults of Sir-Tech's "Fix-It" policy on damaged Wizardy rs. Stories like the disk being to near a chemistry set, the disk set on fire by the younger brother then package mailed by the older brother before dad got home that ning, or the disk that was cut-up by the wife because the band spent more time with the game then her and on and on n other fun tall tales.

in, our thanks to Sir-Tech Software, Inc. and Ms. Benda no for her visit and a fun and informative meeting.

--NoVAG

NVERTING APPLEWORKS LES TO MULTISCRIBE FILES.

John Nicholson.
Apple Bits, Nov - 1987.

you experienced problems in transferring Appleworks processing files to MultiScribe? I did. It seems that eWorks puts a hidden carriage return at the end of each (this is a "soft" return, it doesn't show up in the ed mode.) When I transferred the files to MultiScribe, lines were shorter than they should have been. The only to solve the problem was to delete each "hidden" return, then add a space between the words. That was VERY time uming, but I have discovered a much quicker and easier to deal with the problem.

you have a AppleWorks file into MultiScribe, just light the entire document, and choose a "BOLD" option. automatically recalculates the number of letters wed on each line. If you don't want bold printing, just light the document again and choose the "normal" option.

case you are wondering why I wouldn't just use iScribe to write the files, it's because of the speed of iScribe (I have a bare bones IIc). After about four s, it can't keep up with my typing speed (about 35 words minute). Since MultiScribe uses the high res screens, takes time to redraw each screen (at least, that's what been told).

--NoVAG

SIX NEW PRODUCTS EXTEND APPLE -TALK NETWORK SYSTEM TO K-12.

Boston, Massachusetts. March 1, 1988. Apple Computer, Inc. today announced six products that extend the reach and power of the AppleTalk(R) Network System with new capabilities designed for the education market, including AppleTalk network support for users of enhanced Apple(R) IIe and Apple IIGS(R) computers. The products were announced here at Education Connections, Apple's first stop in an eight-city tour targeted at top-level educators.

The AppleTalk Network System offers a range of network service products. New products intended for the K-12 market include Aristotle(TM) application selector software, the Apple II Workstation Card and the AppleShare IIGS Workstation Software for networking Apple IIe and Apple IIGS computers. New and enhanced products for all AppleTalk systems include InterPoll(TM) Network Administrator's Utility, a software tool for managing AppleTalk inter-networks-- groups of AppleTalk networks; AppleShare(TM) File Server version 2.0, which provides enhanced Apple IIe and Apple IIGS support; and the AppleShare Print Server, formerly LaserShare(TM) print spooler.

"The introduction of these new products for the AppleTalk Network System demonstrates our continued commitment to the education community with high-quality products that meet educators' needs," said Delbert Yocam, Apple chief operating officer. "The Apple II family of products has enjoyed tremendous success in the K-12 marketplace for many years. Now Apple is taking the next step and bringing these products into Apple's mainstream network system, providing connectivity that will further enrich the learning process."

K-12 Market Needs for Networking.

School administrators and educators have a range of networking needs. They want to share printers as well as share information between labs, classrooms and administrative offices. In addition, administrators need to have access to remote mainframe computers as well as be able to integrate MS-DOS and Apple computers throughout the school. The AppleTalk Network System products are designed to meet these needs by providing connectivity in all of these areas. Because a school's existing Apple IIe, Apple IIGS and MS-DOS computers can be connected over the AppleTalk Network System, the school can protect its investment in its existing computing equipment.

AppleShare File Server version 2.0.

In addition to Macintosh and MS-DOS computers, AppleShare File Server now supports enhanced Apple IIe and Apple IIGS computers. AppleShare-aware ProDOS (R) applications-- network versions for the AppleTalk network-- can be stored and launched from the AppleShare File Server, reducing the amount of floppy-disk handling for easier management in computer labs and classrooms.

Continued on page 4.

APPLE Discounts

from VF Associates

THIS MONTH'S SPECIALS:
Printer Cart:
$59.00!
Mobile Computer Stand:
$139.00!
Static Mat:
$32.00!

MACINTOSH CORNER

- DS/DD DISKS, BOX OF 10 .. $13.00 ★
- DS/DD DISKS, CASE OF 50 . $60.00 ★
- 10 DISK STORAGE BOX $2.50
- 36 DISK STORAGE BOX $9.00
- IMAGEWRITER CABLE $19.00
- MODEM CABLE $19.00
- IMAGEWRITER RIBBON $9.00
- MAC+ TO MAC CONVERSION CABLE $7.00

5¼ INCH DISKETTES & STORAGE

- SS/DD, BOX OF 10 ..... $5.00
- SS/DD, PAK OF 25 ..... $11.00
- SS/DD, CASE OF 100 ..... $39.00
- SS/DD, CARTON OF 500 .. $175.00
- 2-NOTCH/DS/DD, BOX OF 10 ..... $6.00
- 2-NOTCH/DS/DD, PAK OF 25 ..... $13.00
- 2-NOTCH/DS/DD, CASE OF 100 ..... $45.00
- 10 DISKETTE CASES .. $2.25 EACH 5 for $10.00

(SPECIFY COLOR CHOICES: BEIGE, BLACK, BLUE, GREEN, GREY, RED, YELLOW)

- 75 DISK FLIP TOP CASE ... $11.00
- 160 DISK LOCKING CASE .. $29.00 ●

PRINTERS

- CITIZEN 120-D $179.00
- STAR NX-1000 ..... $199.00
- PANASONIC 1080i/2 ..... $209.00
- PANASONIC 1091i/2 ..... $239.00
- CITIZEN MSP-15e, WIDE .. $399.00
- PANASONIC P3131, LQ ... $349.00
- NEC P6, LQ $495.00
- STAR NB-2415 ..... $625.00 ●
- LASERJET PLUS COMPATIBLE ..... $1825.00 ●

PRINTER ACCESSORIES

- 1000 SHEETS OF PAPER ... $19.00
- 2500 SHEETS OF PAPER ... $29.00
- PANASONIC/CITIZEN/EPSON RIBBONS $7.00
- GRAPHICS PARALLEL INTERFACE CARD $59.00
- PRINTER STAND $14.00
- PRINTER CART ..... $59.00 ●
- SWITCH BOX, 2 WAY ..... $29.00 ★
- SWITCH BOX, 4 WAY ..... $42.00 ★

DISK DRIVES

- 5-1/4" FLOPPY DRIVE $95.00
- CONTROLLER $49.00

MONITORS

- MED. RES. COMPOSITE $89.00
- HI RES COMPOSITE/GREEN . $129.00
- HI RES COMPOSITE/AMBER . $139.00
- RGB COLOR $269.00
- MONITOR STAND ..... $15.00 ●

MODEMS

- 300/1200 EXT $95.00
- 300/1200/2400 EXT $189.00

SOUND & VIDEO DEVICES

- MUSIC SYNTHESIZER $149.00
- COMPUTEREYES $119.00

CHIPS

- 2764 EPROM $6.00
- 27128 EPROM $8.00
- 64K, SET OF 8 ..... $25.20 ★
- 256K, SET OF 8 ..... $72.00

GENERAL ITEMS

- SURGE PROTECTOR $9.00
- 6-OUTLETS WITH SURGE PROTECT $19.00
- MINI POWER CENTER $58.00
- CABLE GENDER CHANGER .. $9.00
- CABLES (S OR P) $19.00
- 12-INCH GLARE SCREEN ... $19.00 ●
- STATIC MAT ..... $32.00 ●
- MOBILE COMPUTER STAND $139.00

COMPATIBLE COMPUTERS

- LASER 128 ..... $395.00
- LASER 128EX $475.00
- VF PC, APPLE II & IBM COMPATIBLE ..... $880.00 ★
- VF-PC, IBM COMPATIBLE . $534.00 ★
- VF-AT, IBM COMPATIBLE . $955.00 ★
- VF-386, IBM COMPATIBLE $2060.00

GAME I/0 DEVICES

- STANDARD JOYSTICK $29.00
- CH MACH III JOYSTICK ... $39.00
- I/0 PORT EXPANDER $25.00
- 9-16 OR 16-9 ADAPTER $9.00
- MOUSE $75.00

SLOT EXPANSION

- MULTI-RAM, 64K MEMORY $119.00
- RGB OPTION ON MULTI-RAM ..... ADD $40.00
- SERI-ALL $99.00
- ACCELERATOR $179.00
- EDD 4 PLUS EXACT BIT COPY BOARD $69.00
- MULTIPLE-SLOT CHASSIS . $149.00
- SINGLE-SLOT EXTENDER .. $29.00
- QUICK-LOADER PROM BD $149.00
- PROM BURNER $119.00

SPECIAL PERIPHERALS

- COOLING FAN WITH SURGE PROTECT $39.00
- POWER SUPPLY $69.00
- NO SLOT CLOCK $39.00
- SHIFT KEY MOD KIT $8.00
- RF MODULATOR $39.00

APPLE SOFTWARE

- COPY II+ $29.00
- ESSENTIAL DATA DUPLICATOR $25.00
- PLUSWORKS (RUNS APPLEWORKS ON II+) $19.00

APPLE IIc CORNER

- SECOND DISK DR FOR IIc . $95.00
- HOTLINK TO PARALLEL PRINTER $55.00
- GRAPPLER C $95.00
- PRINTER OR MODEM CABLE $20.00
- DISK DRIVE CABLE ADAPTER $14.00
- 9-16 GAME I/0 ADAPTER $9.00
- MULTI-RAM CX, 256K $239.00

★ **DENOTES NEW PRICE**
● **DENOTES NEW ITEM**

VF ASSOCIATES

8231 Woodmont Avenue, Bethesda, MD 20814 ☎ (301) 652-4232
Bulletin Board Service (Modem) Bethesda ☎ (301) 320-6098

UPS SHIPPING: $4.00 per order plus $6.00 per printer or monitor.
Computers: $30.00
LONG DISTANCE: Call 800-666-STAR;
LOCAL: See Local Numbers.
PLEASE NOTE: Add 10% per 30 days for purchase orders.

PLEASE NOTE: Prices change often. Price on date of purchase applies.

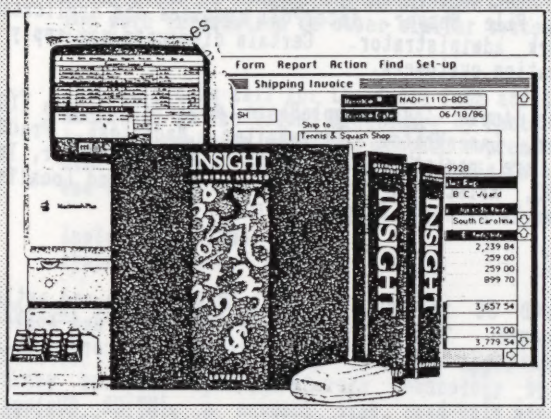
Clinton Computer

- 8032 Leesburg Pike, Vienna, VA (703)442-3800
- 277 S. Washington St, Alexandria, VA (703)838-9700
- 12204 Rockville Pike, Rockville, MD (301)881-2810

Authorized Dealer

- 6443 Old Alex. Ferry Rd, Clinton, MD (301)856-2500
- 9636 Ft. Meade Rd, Laurel, MD (301)953-1110 or (301)792-0600
- Government and Corporate Sales (703)838-9722

If Your Business Needs Timely and Accurate Accounting Data, You Need INSIGHT!



"In-Store" Days

Your Chance to Talk with an Insight Expert!

•Clinton Store•
Thursday, April 21, 1-3PM

•Rockville Store•
Thursday, May 5, 1-3PM

Free! INSIGHT Accounting Seminars

•Clinton, MD•
Thur, April 14, 10AM, 2PM
Call Sharon at 856-2500 to register

•Rockville/Bethesda, MD•
Thur, April 28, 10AM, 2PM
Call Diane at 881-2810 to register

Free Desktop Publishing Seminars

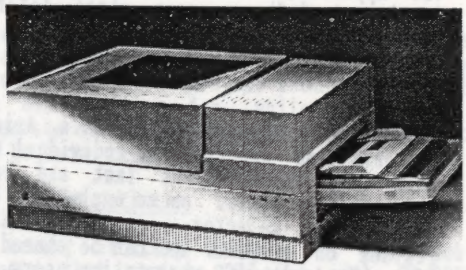
Aldus Freehand
April 14, Rockville Store, 1:30 PM
Call Alyce at 838-9700 to register

Aldus PageMaker 3.0
April 28, Laurel Store, 1:30 PM, Call Alyce at 838-9700 to register

Desktop Publishing and Presentation Graphics
April 21, Columbia Hilton, 10 AM and 2 PM, Call Pam at 953-1110 to register

DISCOUNT POLICY FOR WASHINGTON APPLE PI MEMBERS

CLINTON COMPUTER offers Washington Apple Pi members a 25% DISCOUNT OFF THE LIST PRICE on all non-allocated Apple brand peripherals (no CPU's), software and AppleCare. For upgrades, the 25% discount applies to both the parts and normal labor rate. Discount is available to persons who have been Pi members for at least 3 months. Discount cannot be applied retroactively. Pi members need to present their cards up-front. No phone or mail orders, please. Discount cannot be used in combination with other promotions. Products on allocation from Apple are excluded from this offer. Clinton Computer reserves the right to change this policy at any time.



Introducing the New LaserWriter II Printers

Apple® Computer's technology leadership has produced another important first -- the first family of fully upgradeable laser printers.

The LaserWriter® IISC offers the individual Macintosh user excellent full-page text and graphic printing capabilities at an affordable price.

The LaserWriter IINT lets individuals and workgroups produce a full range of professional quality documents.

The LaserWriter IINTX provides un-paralleled performance and flexibility for those with high-volume printing requirements and advanced document processing needs.

Training Available

Clinton Computer is dedicated to the hands-on approach to computer education. We operate three fully-equipped Learning Centers which provide Apple and MS-DOS applications and hardware training. Classrooms are located in the retail stores in Laurel, Rockville, and Alexandria.

Our classes, limited to twelve students, combine tested courseware and qualified instructors to insure effective, individualized instruction.

Customized training services at your site can also be easily arranged.

Apple, the Apple logo, and LaserWriter are registered trademarks of Apple Computer, Inc. Macintosh is a trademark of Apple Computer, Inc. Apple products are available only from authorized Apple dealers. They are not available by telephone or mail order.

New Products From page 1.

Other new features include on-line server administration, which allows server administration activity such as creating new user names or groups, while the file server remains available to users on the network. A folder lock feature insures that only the owner of a folder can move, rename or delete the folder.

The AppleShare File Server also provides CD-ROM support, letting AppleShare users share information on AppleCD SC drives attached to a file server.

Aristotle.

Specifically designed for schools, Aristotle gives students, teachers and others using individual enhanced Apple IIe and Apple IIGS workstations fast and easy access to ProDOS applications stored on an AppleShare File Server. Aristotle application selector, an AppleShare-aware application, resides on a server and can be shared by all enhanced Apple IIe and Apple IIGS workstation users. Aristotle features a menu management program that lets teachers and network administrators specify which applications each study group can access. Network administrators and teachers can individualize student menus and easily modify available selections at any time. Aristotle's menu display lets users access AppleShare-aware ProDOS software without searching through stacks of disks or typing ProDOS commands.

Apple II Workstation Card and AppleShare IIGS Workstation Software.

The Apple II Workstation Card for the enhanced Apple IIe computer and the AppleShare IIGS Workstation Software for the Apple IIGS computer let users connect to an AppleTalk network via LocalTalk(TM) cabling for shared access to an AppleShare file server as well as networked LaserWriter(R) and ImageWriter(R) printers. Users have access to all the features of the AppleShare File Server including AppleShare-- aware ProDOS applications as well as file and print service capabilities. One Apple IIGS Workstation Software package is required for each file server, and one Apple II Workstation Card is required for each enhanced Apple IIe computer.

AppleShare Print Server.

AppleShare Print Server, an enhanced version of LaserShare, offers concurrent support of up to five printers. A single server can handle combinations of networked LaserWriter, ImageWriter II and ImageWriter LQ printers. AppleShare Print Server runs concurrently with AppleShare File Server on the same Macintosh server, letting users continue working instead of waiting for documents to print.

The AppleShare Print Server provides centralized print-queue management, letting network administrators print high-priority documents immediately, remove documents from the queue or suspend printing. The AppleShare Print Server can be accessed from any enhanced Apple IIe, Apple IIGS, Macintosh or MS-DOS workstation on the network.

InterPoll Network Administrator's Utility.

The InterPoll Network Administrator's Utility contains tools an AppleTalk network administrator can use to implement a network support program. InterPoll includes an administrator's guide with suggestions for network planning and configuration as well as tips for network maintenance and troubleshooting; a set of network mapping tools and the AppleTalk Responder, a Macintosh resource that lets InterPoll obtain information about Macintosh workstations.

The InterPoll application lets network administrators generate lists of active network devices to monitor the internetwork and to locate network cabling breaks. InterPoll also reports Macintosh system software version numbers and can be used to test the integrity of the network path to any AppleTalk device.

Price and Availability.

AppleShare File Server version 2.0, AppleShare Print Server, InterPoll Network Administrator's Utility, Aristotle, Apple II Workstation Card and Apple IIGS Workstation Software will be available this summer through certified Apple dealers and direct from Apple. Suggested retail prices of the products are: AppleShare File Server, $799; AppleShare Print Server, $299; Aristotle, $199; Apple II Workstation Card, $249; Apple IIGS Workstation Software, $99; and InterPoll Network Administrator's Utility, $129.

All products except for the Apple II Workstation Card and InterPoll are server-based, requiring one copy for each AppleShare File Server. InterPoll requires one application per network administrator. Certain discounts may apply to Apple education customers.

Apple, the Apple logo, AppleShare, AppleTalk, Apple IIGS, ImageWriter, LaserWriter, ImageWriter, Macintosh, ProDOS, and IIGS are registered trademarks of Apple Computer, Inc. AppleCD SC, Aristotle, InterPoll, LaserShare and LocalTalk are trademarks of Apple Computer, Inc.

AppleCD SC.

The AppleCD SC is Apple's first CD-ROM drive and optical media product. This product lets Macintosh and Apple II users retrieve information from digitally recorded CD-ROM discs.

From one 4.72" (12 cm.) CD-ROM disc, users have access to up to 550 MB of text, graphics, images and audio-- the equivalent of 700 floppy disks or 270,000 pages of typewritten text! Plus, this new drive has built-in audio CD capabilites.

The AppleCD SC is a stand alone external drive styled much like Apple's SCSI hard disks. It has a front-loading slot that enables the user to stack the drive on or under the CPU.

The AppleCD SC features include:

-- Support for Macintosh and Apple II operating systems. Apple II users must first install the new SCSI card, Revision C.

-- Support for the High Sierra operating system via a software upgrade available this summer.

-- 64 K RAM buffer for improved performance with the Apple II CPU.

-- Universal power supply ensuring compatibility with worldwide electric standards.

-- CD Caddy that encloses the disc in a protective case.

-- Headphone jack which provides convenient and private access to audio information.

-- RCA jacks -- two audio connectors for an external amplifier and speakers which enables the drive to produce stereophonic sound.

Continued on page 5.

The AppleCD SC and the AppleCD SC Caddy will ship in May 1988. The AppleCD SC Caddies are also available in boxes of five.

Some of the third-party CD-ROM titles for Macintosh and Apple II computers currently available are:

-- Kwikee INHOUSE PAL by Multi-Ad Services Inc.-- a library of encapsulated PostScript art. For information call 309-692-1530.

-- Medline Data Base by Aries Systems Inc.-- a collection of abstracts from the National Library of Medicine which includes the contents of three years of back issues of medical journals. For more information call 617-689-9334.

-- RealScan Real Estate Market Information System by LaserScan Systems, Inc. Detailed public information on every piece of real estate in Broward County, Florida. For more information on other similar systems, call 305-595-3640.

-- Available this fall for the Apple IIGS and the Macintosh is the Visual Dictionary by Facts on File, Inc. It contains audio and graphic representations of dictionary entries and pronounces words in both French and English.

AppleCD SC (M2700)
AppleCD SC Caddy (M2705)

Optical Storage with CD-ROM Drive.

Seattle, Washington. March 1, 1988. Apple Computer, Inc. today embraced optical storage technology by announcing AppleCD SC(TM), a compact disk, read-only memory (CD-ROM) drive to be with individual Macintosh(R) and Apple(R) II computers or shared by users connected to the AppleShare File Server.

Apple announced the drive today at the opening of the Microsoft CD-ROM Conference, a gathering of existing and potential publishers of CD-ROM discs and others interested in the emerging CD-ROM industry. In addition to being one of the first personal computer manufacturers to make a CD-ROM drive available through retail stores, Apple also is launching extensive efforts aimed at the third party development community to stimulate a wide array of CD-ROM discs.

CD-ROMs can store the resources of a small library--providing users access to vast quantities of pre-recorded information-- including text, digitized images and sounds such as voice and music. A single 12-centimeter disk holds as much as 700 (800 kilobyte) Macintosh floppy diskettes--well over 550 megabytes, or about 270,000 pages of typewritten text.

To date, publishers have used the extraordinary capacity of CD-ROMs primarily for text and number-oriented reference materials such as encyclopedias, catalogs and specialized databases of medical, legal and financial information. These products have been available largely through value-added resellers that serve specific vertical markets. By making a CD-ROM drive readily available through retail and other sales channels, and by providing extensive support for developers, Apple expects to stimulate development of a much wider variety of CD-ROM products that take advantage of the graphics and sound capabilities of its Macintosh and Apple IIGS(R) computers and can be used as well with the Apple II.

"CD-ROM is a logical extension of Apple's unique computing platform," said Jean-Louis Gassee, senior vice president of research and development. "One by one we have added capabilities that help people deal meaningfully with information: copy-and-paste simplicity, graphics, sound, processing power, systems integration and finally, in HyperCard(TM), a radically different way of organizing and navigating through information. CD-ROM complements all of Apple's other strengths by providing a cost-effective and convenient delivery system for vast amounts and varieties of information. It's reasonable to expect that publishers will use the tools we've provided to build a completely new genre of information retrieval products."

"The arrival of an Apple CD-ROM drive is significant in other respects, too," Gassee continued. "An installed base the size of Apple's gives publishers the pool of potential customers they've been waiting for, while its retail, education and corporate sales channels provide an efficient way to get products to those customers."

CD-ROM applications in many markets.

"We already are seeing exciting examples of the rich learning environments that can be created with CD-ROM databases that incorporate text, images and sound," Gassee said, referring to several projects underway at major U.S. universities that bring together instructional curricula with research materials. For example, Boston University and Harvard University are collaborating on the "Perseus Project," which is integrating more than 100 megabytes of text with 10,000 images that pertain to the history, political science, languages, art and philosophy of ancient and classical Greece. University of Southern California's "Project Jefferson," which combines online retrieval, hypermedia and curriculum development within an integrated software package based on the U.S. Constitution, and Brown University's "Intermedia" project, a multiuser workstation environment for scholars and researchers, are two other examples of sophisticated information retrieval systems that utilize CD-ROMs. Educators of younger students also are using encyclopedia and other reference works on CD-ROM as well as developing multimedia databases.

Currently available discs, for the AppleCD SC, outside of education, are designed for specific professions. These include "Kwikee INHOUSE," a graphics service for advertising layouts (Multi-Ad Services, Peoria, IL); a medical database, "MEDLINE(TM) Knowledge Finder(TM)," (Aries Systems Corporation, North Andover, MA); "Real-Scan(TM)" real estate management system (LaserScan Systems, Miami, FL); and "Books in Print Plus" (Bowker Electronic Publishing, New York), which is used in libraries as well as bookstores.

The legal and healthcare markets are especially well-suited for CD-ROMs. Their reference materials often are published without cumulative indices, which makes manual data searches very cumbersome. Relational databases published on CD-ROM discs would provide many of the benefits of on-line information services, such as enabling users to search by key words, without costly communications charges.

Apple also expects corporations to become significant users of CD-ROMs for in-house publishing of manuals, catalogs and corporate databases; to distribute reference materials (such as parts lists in the automotive industry) and "boilerplate" documents (in insurance, for example); and courseware and tutorials in industrial training applications. Federal, state and local governments also could use CD-ROMs for storing and copying forms on demand, for easy access to government policies and regulations, to store training manuals and to distribute materials that are frequently quoted or incorporated into documents, such as military parts specifications, building codes, health and safety ordinances, etc.

Continued on page 8.

THE FOLLOWING WAS DOWNLOADED FROM THE NORTH SAN DIEGO APPLE CLUB'S BBS.

++
Message-ID: #4185.pnet01.digest/info-apple
Reply-To: info-apple-request
Date: 16 Dec 1987: Subject: PC Transporter info from AE!
From: BUD HUBER: Because of wide interest in Applied Engineering's new PC Transporter for the Apple II+/E/GS lines, I am forwarding below the (almost complete) text of a letter I sent to Applied Engineering regarding their newly announced PC Transporter. AE's response is interspersed in brackets.
Bud Huber
++

November 24, 1987

Mr. Chuck Carpenter, Applied Engineering
P.O. Box 798, Carrollton, Texas 75006

Dear Mr. Carpenter:

Please answer the following specific questions about your recently announced PC Transporter. All questions should be viewed from the perspective of my present hardware configuration: an Apple II-GS with Imagewriter II (serial port 1), Hayes 2400 Smartmodem (serial port 2), two Apple 3.5 Drives (Smartport 5), Apple DuoDisk (Smartport 6), Apple SCSI (slot 7) driving two Apple HD20SC hard disks, Apple RGB color monitor, AE 1.5 megabyte II-GS memory card.

[Responses from Applied Engineering's 5 December 1987 four page letter are provided below, enclosed in brackets. Chuck Carpenter signed the letter and his title is listed as "Marketing Technical Support".]

1. In which slot SHOULD the Transporter be installed?
[Answer: In the configuration you have indicated, I would put the PC Transporter in slot 6 and give up the 5.25 Apple DuoDisks. You have indicated in another question that you do not use 5.25 Apple drives much. This would give you the most flexible drive options in your installation. Otherwise, you will have to make a decision as to which other features you might want to give up via IIGS control panel selection before, and only while, running the PC Transporter.]

2. With all of the hardware mentioned above in my configuration, will there be a power supply problem (include 8087-2 chip in Transporter)?
[Answer: Power supply problems in the IIGS are not likely to happen. The IIGS power supply will easily handle the approximately 1.2 Amps that the PC Transporter with 8087-2 installed will require. Note that Apple IIe power supplies are rated at 2.5 Amps. IIGS power supplies are rated at 5 Amps.]

3. What is the purpose of the ColorSwitch, which is included in the IIGS installation kit?
[Answer: ColorSwitch converts the digital video output of the PC Transporter to analog input required by the IIGS color monitor. There is also a composite video output on the ColorSwitch.]

4. Will ALL MS-DOS (specifically PC/XT compatible) software be compatible with Transporter? Some communications software (Relay Gold is what I would use for modem communications) is written in ways that "get to the metal" and could preclude proper co-processor operation. It is not sufficient to say that PC/XT software will be compatible; I need a firm commitment that Lotus 123, Multimate Advantage II, Wordstar, Relay Gold, SuperProject Expert, and graphic engineering software will work.
[Answer: Not ALL MS-DOS (PC-DOS) software will work. Applications requiring more than 640K will not. Applications requiring a special card, i.e., other than CGA adapters or serial/parallel card, will not. Relay 2.3 works and SuperProject+ works. Relay Gold and SuperProject Expert were not tested. All the other applications you mentioned were tested and work.]

5. How do you justify the statement that Transporter works 3 times faster than IBM?
[Answer: PC Transporter has a Norton Utilities (4.0) rating of 3.7 compared to the standard rating of 1 for a 4.77 MHz IBM. The PC Transporter uses an NEC V30 running at 7.16 MHz. This combination gives PC Transporter its speed. Many people who tried their own software on the PC Transporter at AppleFest were quite surprised at how much faster it would run compared to other machines they had used.]

6. What "utility" programs are included with Transporter?
[Answer: All the ProDOS files needed to activate the PC Transporter and install drivers for devices found in the Apple during Auto Configuration. MS-DOS files include a driver to use a ProDOS clock as the MS-DOS clock and a TRANSFER program to transfer Apple text files to MS-DOS text files. The PC Transporter manual describes these files in detail.]

7. How should I configure my disk drives, assuming I purchase a Single Drive System IBM Format 360K disk?
[Answer: Assuming you will use some of the space on your hard drives for a "hard drive" file for MS-DOS, you can configure the PC Transporter for the A: drive to be the 5.25 drive and C: to be the hard drive. Note that the hard drive is always a ProDOS file you choose on some Apple drive volume. It could be one of your 3.5 drives, one of your 5.25 drives (not useful) or RAM disk on the GS-RAM card.]

8. Will my 1.5 MB memory card substitute for the memory on the Transporter?
[Answer: MS-DOS memory has to be on the PC Transporter card. You can use memory on expansion cards as RAM drive volumes for storing MS-DOS files but not as PC Transporter expansion memory.]

9. Will a 768K Transporter memory configuration work in conjunction with my AE 1.5 MB memory card to provide aggregate 2.25 MB while operating under ProDOS?
[Answer: The memory on the PC Transporter, as Apple memory, can be used as a RAM disk after the PC Transporter is activated with the specially modified version of ProDOS provided. An INSTALL program is provided so the user can modify any version of ProDOS 8 for use with the PC Transporter.]

10. With an Apple RGB analog color monitor, what IBM terminology (CGA, EGA, PGA, VGA, etc.) accurately describes software/hardware monitor configurations?
[Answer: Video output on the PC Transporter

Continued on page 7.

is CGA equivalent.]

11. Can I remove my DuoDisk and substitute your 5.25" IBM format 360K disk drive for both IBM and ProDOS use? (I don't normally use 5.25" drives except for initial software upload to the hard disks.)
[Answer: No. Apple disk drives are single sided and use an analog interface card. The drives currently used for MS-DOS are dual sided and use a digital interface.]

12. Why should it take 15 minutes to install Transporter if there is nothing more to do than plug in a co-processor card? (Inference is that there is some wiring or other special considerations.) Will I have to make ANY hardware changes on my system?
[Answer: In the IIGS, PC Transporter installation requires mounting the ColorSwitch and the disk drive cable on the back panel. These cables are then plugged into the chosen slot. Our instructions include steps requiring removal of other cards so you can install the various PC Transporter cables without interference. Depending on the skill of the installer, this can take up to 15 minutes or possibly more.]

13. Is there any compatibility problem by operating ProDOS under the APW development shell?
[Answer: PC Transporter is completely transparent to any ProDOS applications unless the PC Transporter is activated with the specially modified ProDOS supplied.]

14. How compatible are IBM copy protected programs? Do IBM copy protected programs transfer easily to ProDOS hard disks, and without harm to existing ProDOS data? What happens if protected IBM programs on a ProDOS hard disk become shifted in physical disk location through the use of "MOVE" or "COPY" commands?
Answer: If the copy protected MS-DOS program can be copied to a hard disk on any other MS-DOS work-a-like, then it will work on the PC Transporter hard disk. If the copy protected program will not run on a work-a-like, it is not likely to work on the PC Transporter. Because the hard disk is a ProDOS file there is no existing situation that will cause harm to any other ProDOS files. As far as ProDOS is concerned, the hard disk is a ProDOS file. As far as MS-DOS is concerned, the hard disk is an MS-DOS hard disk. All file manipulation programs respond accordingly. The custom drive controller chip on the PC Transporter handles the various file requirements according to the requirements of the operating system being used.]

15. Will there be any change in normal APW/ProDOS operation? (E.g., not being able to boot off SCSI hard disk for either ProDOS or IBM mode?)
[Answer: With your SCSI hard disk in slot 7 as you have it, I expect you normally boot into ProDOS this way. Once you have installed the PC Transporter files in either the root directory or a subdirectory, you would activate PC Transporter by selecting (clicking-on) the version of ProDOS provided on the distribution disk. Subsequently, you can execute the file called AEPC.SYSTEM. You could boot directly into MS-DOS by using this file as the first one in the directory. The choice is yours; boot directly into ProDOS or MS-DOS.]

16. Will files (text or ASCII in particular) be transferable between the two operating systems?
[Answer: ASCII files can be transferred between ProDOS and MS-DOS with a provided file called TRANSFER. This file is included in the default hard drive on the distribution disks.]

17. Can IBM mode be initiated after booting ProDOS from a hard disk? Can IBM mode boot from a hard disk?
[Answer: I think I answered this one in 15 too. The choice is yours depending on which operating system you want to be in first. PC Transporter is always started from ProDOS so you can stop there at boot, or continue on into MS-DOS as indicated in the answer to 15.]

18. Will Transporter support additional serial peripherals such as HP pen plotters or bar code readers? If so, how are they connected to Transporter? [Answer: There are no drivers to support peripherals other than the most likely parallel and serial cards normally used with the Apple Computer. If the device you are interested in can connect to these, then you can use it with PC Transporter. Depending on interest level, there is considerable opportunity to include drivers at a future date.]

19. Will Transporter ever support more than 640K in IBM mode?
[Answer: Support of more than 640K is another opportunity depending on interest level.]

20. What do IBM disk files "look like" on a ProDOS disk? How do legal IBM file name characters (such as $ or -) appear on a ProDOS disk when such are illegal ProDOS path char//\\3RAMtRAM7P/P/''lods,//\\ (//\\ BETWEEN THESE MARKS WAS GARBAGE - I THINK THE ANSWER STARTED HERE - EDITOR-NSDAC).
([Answer) you can't use it for anything so it doesn't matter. Otherwise,the files and programs for either system are not accessible to the other and would look like an unformatted disk if you tried to read one in the wrong system.]

21. Is the Apple IIGS mouse functionally equivalent to an IBM mouse for graphics design type programs? If not, can an IBM mouse operate with Transporter? (What about the missing buttons on the Apple mouse?)
[Answer: The PC Transporter mouse drivers for use with MS-DOS can emulate either the Microscoft Buss Mouse or the Mouse Systems Mouse. A combination of the option and open-apple keys are used with the mouse button to provide dual or triple button functions. MS-DOS drivers will be included on future distribution disks for the Mouse Systems Mouse. Microsoft drivers are available on most any Microsoft application disk.. (We couldn't make a deal with MS to use theirs.) ProDOS drivers to emulate these mice are provided.]

22. Does Transporter invalidate future Apple service of the IIGS?
[Answer: Installing a PC Transporter doesn't invalidate your warranty with Apple any more than installing any other card.]

23. Why does your advertisement indicate "...PC Transporter acts like an Apple 3.5 Drive disk controller for IIGS, IIe, and II Plus users"?

Continued on page 8.

AE's - Apple PC From page 7.

What specifically does this mean? Why is there a 5 drive limit on disks? (In my configuration, with a /RAM5/ disk, I already have 7 drives.)
[Answer: The 5-drive limit is a PC Transporter limit. Whatever you have connected to the Apple II can remain connected. The control panel on the PC Transporter will allow you to install 5 drives. Two 5.25 TransDrives as supplied by AE, two Apple 3.5 drivers like the ones used on the IIGS, and a ProDOS file used as the MS-DOS hard drive (which is really somewhere - your choice - on one of the Apple drives you already have connected.). The MS-DOS drives would then be, A:, B:, C:, D:, and E:. You can connect the two 3.5 drives directly to the PC Transporter and not use the 5.25 drives. Connected to the PC Transporter, the 3.5 drives can be daisy chained to the 5.25 TransDrive or to the PC Transporter and each other. The 3.5 drives connected directly to the PC Transporter will format at 720K like IBM 3.5 drives. Because of the design on the controller chip on the PC Transporter (developed in cooperation with Apple Computer and The Engineering Department), you can use the drives connected to an activated PC Transporter as ProDOS storage too. Before you exit from MS-DOS, if you change the PC Transporter control panel so that the drives connected are ProDOS drives, you can use all of the disk drives as ProDOS storage. You can run programs such as AppleWorks from these drives. Copy protected programs will not work properly. Otherwise, properly formatted, you can have 360K ProDOS storage using the 360K TransDrives and the usual 800K with the 3.5 drives. Note that 360K ProDOS storage is only usable on an Apple configured with PC Transporter.]

24. Why will Applied Engineering not sell Transporter documentation separately from the entire system?
[Answer: The PC Transporter Users Manual is available for $50.00. Credit is allowed, with proof of purchase, toward the cost of the PC Transporter.]

End of letters. I called AE yesterday and ordered the documentation. The lady who answered the phone indicated ".... but we don't sell just the documentation." I quoted the letter, she put me on hold for less than a minute, then politely said ".... what is the shipping address?" To me, it is worth $50.00 'insurance' to understand as much as possible about a potential large purchase. I was very impressed with the timely, thorough, and professional manner in which AE responded. Prior experience with AE should have told me to expect nothing less.

Cheers, and have a nice holiday ...Bud

--NoVA3

New Products From page 5.

CD-ROM titles for consumers are likely to serve home educational needs (encyclopedias, atlases and other reference books), sound studios and musicians (sound and special effects libraries for creating synthesized music, for example) or work at home (word processing software and writers reference tools, for example).

Apple facilitating CD-ROM publishing.

To expedite development of CD-ROM titles in all of these markets, Apple has designed its drive to be compatible with the International Standards Organization's standard file format commonly known as "High Sierra." While Macintosh and Apple II file support will be available when drives are first shipped to customers, ISO/High Sierra support will become available in early summer. Customers who purchase drives before this time will receive a software upgrade free of charge.

In addition, Apple is providing extensive support to potential publishers. Some 500 developers are scheduled to attend an Apple CD-ROM Development Conference that is being held here on March 4 in conjunction with the Microsoft conference. Speakers representing Apple and current CD-ROM publishers will discuss topics such as hardware and software tools, data preparation and designing the human interface.

Apple also plans to support developers by offering a starter kit that will give them a cost-effective way of quickly developing prototye CD-ROM discs. Specific elements of the starter kit-- to hardware, software and coupons for converting hard disk data to a CD-ROM disc--will be announced to developers before the AppleCD SC ships in mid-May.

At the conference and as an on-going service to interested developers, Apple will demonstrate how its HyperCard software can be used as part of Macintosh CD-ROM disc. HyperCard lets users easily navigate through large quantities of data by association and context, rather than simply by hierarchical indexes. HyperCard provides developers with alternative to programming with the Macintosh interface. And just as the Macintosh development environment provides a consistent graphic interface with icons and windows, HyperCard provides consistent elements such as cards, buttons and stacks that can be used across applications. Users do not have to learn new command schemes with each new disk they acquire.

HyperCard also is an open-ended development environment that can be customized for particular projects. For example, teams on both the Perseus and Jefferson projects have used the extension capabilities of HyperCard, adding functions which are important for searching very large relational databases. Apple's technical staff will work closely with publishers in augmenting HyperCard functions.

AppleCD SC is fast and versatile.

The AppleCD SC drive, which will be available in the United States in the beginning of May for a suggested retail price of $1,199 (U.S.), features a 64-Kilobyte (K) memory buffer and Small Computer Systems Interface (SCSI) that enable it to transfer data more quickly, and an audio chip set and "desk accessory" software that let it play audio CD tracks on CD-ROM as well as commercial audio compact discs. The drive includes a headphone jack, two RCA audio jacks for external speakers and amplifiers and a universal power supply that makes it compatible with electrical standards around the world.

By early fall, Apple will ship the AppleCD SC in six language versions-- Kanji (Japan), British, French Canadian, German, French, Dutch, Swedish and Italian.

Discs are loaded in the AppleCD SC drive through a slot on the front of the drive. Prior to loading, discs are placed in an Apple CD Caddy-- a sturdy plastic case that protects the disc and offers convenient storage for the user. The CD caddy will be available in five pack bundles. Front access allows the drive to be stored above or below the computer without taking up additional desk space. The AppleCD SC has the same "footprint" as Apple's other SCSI storage products, which lets it be easily stacked with those devices.

Continued on Back page.

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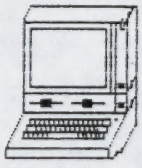
Se Habla Espanol

SCHEDULE OF UPCOMING EVENTS

REGULAR GENERAL MEMBERSHIP MEETINGS

1st Saturday -- Room 110 or 120, Bisdorf Bldg, Alex Campus NoVA CC - 10:00 AM
3rd Wednesday -- Room No.1, FAIRLINGTON COMMUNITY CENTER
3300 S. Stafford Street in Arlington - 7:30 PM



Board of Directors of Novapple Meetings - Call the Club Phone for address of meeting.

Saturday	Apr. 02	10:00 AM	NVCC	Apple Accounting Programs
Sunday	Apr. 17	1:00 PM	Tom Lucas' Home	Novapple Board Meeting
Wednesday	Apr. 20	7:30 PM	FCC	Mac's HyperCard

Saturday	May 07	10:00 AM	NVCC	Telecommunications
Wednesday	May 18	7:30 PM	FCC	AppleWorks Tutorial

Saturday	Jun. 4	10:00 AM	NVCC	Apple Art & Graphics
Wednesday	Jun. 15	7:30 PM	FCC	Educational Software

CLUB PHONE (Answering machine with all the latest announcements - will also record your messages.) (301) 899-4005

Pro-Novapple Bulletin Board System - (ProDOS BBS system) Runs at 300, 1200, and 2400 baud speed ....(703) 352-5842
(New phone number for the bulletin board come effective June 16, 1988) .....(703) 671-0416

‡‡ Currently down due hard disk crash on April 3, 1988! Call the Club Phone for current date-up of the system. ‡‡
‡‡ Effective 16 June 1988, Pro-Novapple BBS will be moving to a new home. Bill Sanderson will be stepping ‡‡
‡‡ down as Sysop of the system and Dave Havery will be taking over. So on or about 16 June 1988, to connect ‡‡
‡‡ with the Pro-Novapple BBS, please call (703) 671-0416. ‡‡

Membership & General Correspondence: NOVAPPLE, P.O. Box 804, Merrifield, VA. 22116
Diskette Orders: . . . . . NOVAPPLE, 6069 Wooten Drive, Falls Church, VA. 22044
Newsletter Info & Requests:. . . . NOVAPPLE, 6504 Bowie Drive, Springfield, VA. 22150

New Products From page 8.

The AppleCD SC plugs directly into the SCSI port of Macintosh Plus, SE and II computers. With Apple IIe and IIGS, an upgraded version of the Apple SCSI Card (Rev. C), is available today for a suggested retail price of $299 is required. The drive can be daisy-chained to as many as six other SCSI peripherals. In addition, both Macintosh and Apple II users can share information and lower the cost of the AppleCD SC per user by connecting to an AppleShare File Server (version 2.0). Plans to for A/UX, Apple's implementation of the UNIX operating system for the Macintosh II, to support the AppleCD SC also are underway. The drive comes with an accessory kit that contains an Apple CD Caddy, software drivers, Apple CD Remote Desk Accessory software-- which controls functions needed to play audio CDs; and an owner's manual.

Apple, the Apple logo, AppleShare, Apple IIGS and Macintosh are registered trademarks of Apple Computer, Inc. AppleCD SC and HyperCard are trademarks of Apple Computer, Inc.

Enhanced Apple II SCSI Card.

The Apple II SCSI Card, Revision C, is an enhanced version of the Apple II SCSI card. The enhancements of the card will be important to Apple II customers who purchase Apple's new CD-ROM drive since it is required when using a CD-ROM with an Apple II computer.

The Apple II SCSI Card, Revision C, was developed to:
-- Provide better performance with new and more sophisticated Apple II software.
-- Increase the ability to handle different classes of SCSI peripheral devices.

Apple II SCSI (A2B2087)

--NoVA

The Novapple Board Meeting Minutes - March, 1988.

The March meeting of the Board of Directors of Novapple met on March 27, 1988 at the home of Tom Lucas.

The first item was discussed was that Bill Sanderson had decided that for personal reasons, he could no longer serve as Vice President of Novapple and would like to be releived of this duty. The requirmnt exists to appoint someone until the next election is October, 1988. Ted Mcglohn has offered to take over this postion, therefore the board voted to appoint Ted as vice president for the remaining term for this year. The transfer of the position will be about 16 April, 1988.

The next item was that Bill Sanderson has also decided that he can no longer continue as SysOp of Pro-Novapple, our Electronic Conferencing and Message System. Dave Harvey announced that he has volunteered to take over that postion. In order to allow sufficient time for changeover and to notify everyone, the changeover for the system will be about the middle of June, 1988.

The next item of discussion was membership status. Although the vice president was not present, a rough estimate was that we had about 190 members, based on a recent mailing of the newsletter.

Jim Thornburg reported that he had obtained a new advertiser for thr newsletter, Gracelia R. Helring, P.C., Attorney at Law. Everyone congratulated Jim of obtaining the first new advertiser for the newsletter in a long time. Jim will continue to try to get new advertisers for the newsletter.

The next board meeting will be on 17 April, 1988 at 1:00 pm at Tom Lucas home.

--NoVA

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PRO-NOVAPPLE SYSTEM GOES DOWN!

On April 3, 1988, our conferencing and messageing system, Pro-novapple, went down, due to the hard disk crashing. At this time we don't know how long the system will be down, but hopefully we'll be back up soon. A lot depends on how soon we can get the hard disk repaired. In the meantime, please bear withus. When the system does go back up, we'll put a message up on our information line, 301-899-4005, to inform you of the good news.

--NoVA